

11-2013

Linked Data: What It Can Do For You Session

Jessica Hayden

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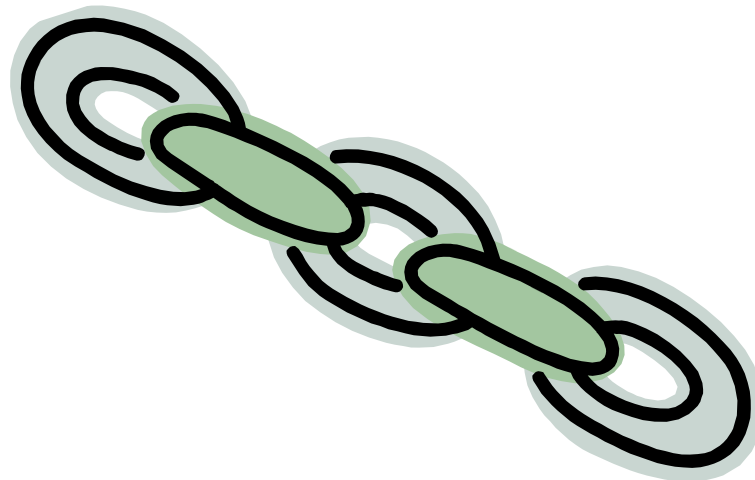
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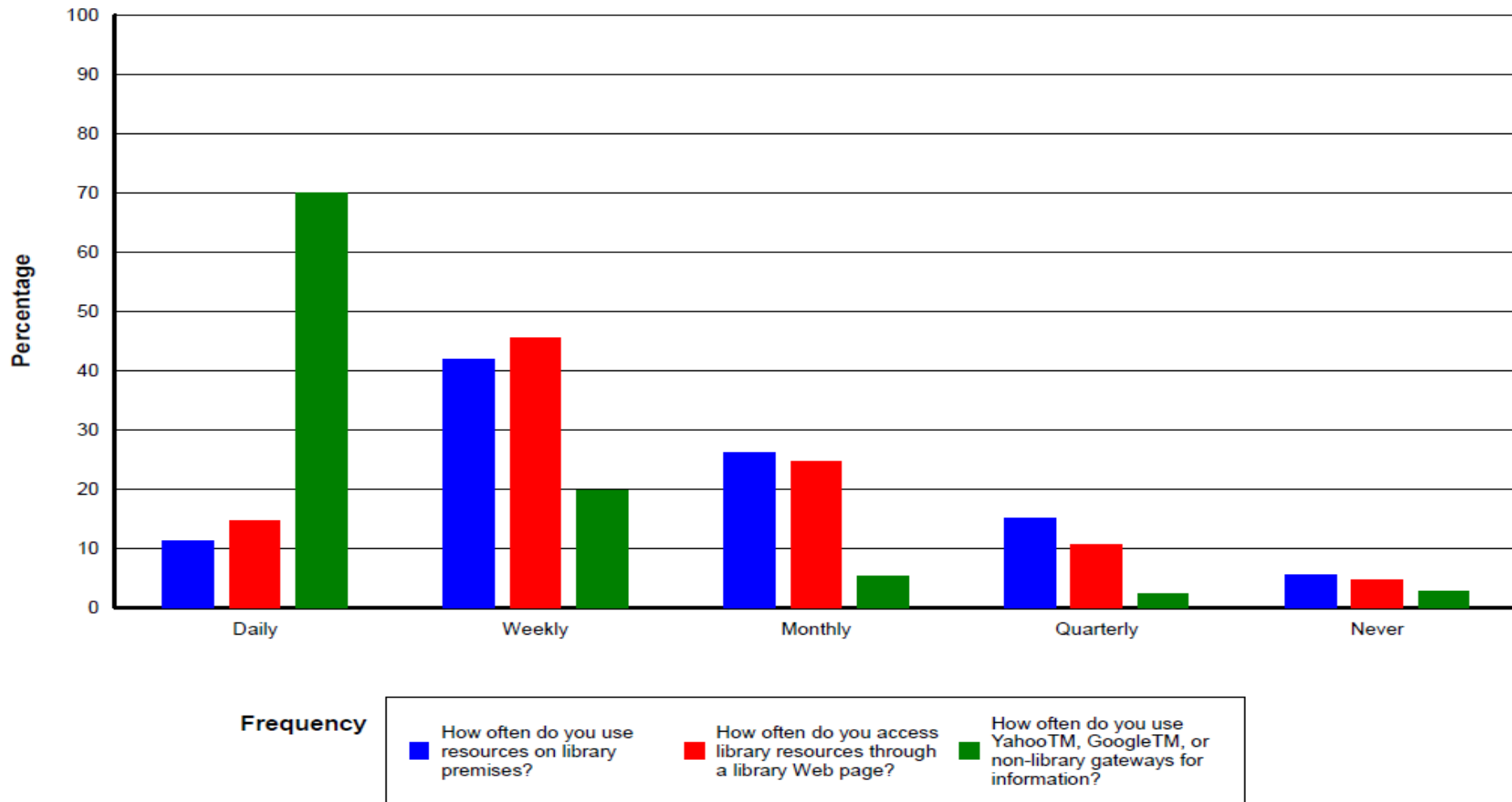
What it can do for you



Linked Data Basics

- Records → Statements
- Documents → Data
- Resource Description Framework (RDF)
- Relationships defined in “triples”
 - Thing A → Has relationship to → Thing B
- Record becomes a graph formed by triples
- Foundation = URIs
- Not limited to libraries
- Database (closed) → Web (open)
- SQL → SPARQL

Why change?



Why change?

Current practice

Text-based links=Fragile

Bibliographic record

Authority record

Muir, John,
1838-1914.



Muir, John,
1838-1914.

Muir, John,
1838-1914.



Muir, J.,
1838-1914.

Goal

URI-based links=Stability

Bibliographic record

Authority record

[http://lccn.lo
c.gov/n7907
8692](http://lccn.loc.gov/n79078692)



[http://lccn.lo
c.gov/n7907
8692](http://lccn.loc.gov/n79078692)

Muir, John,
1838-1914.

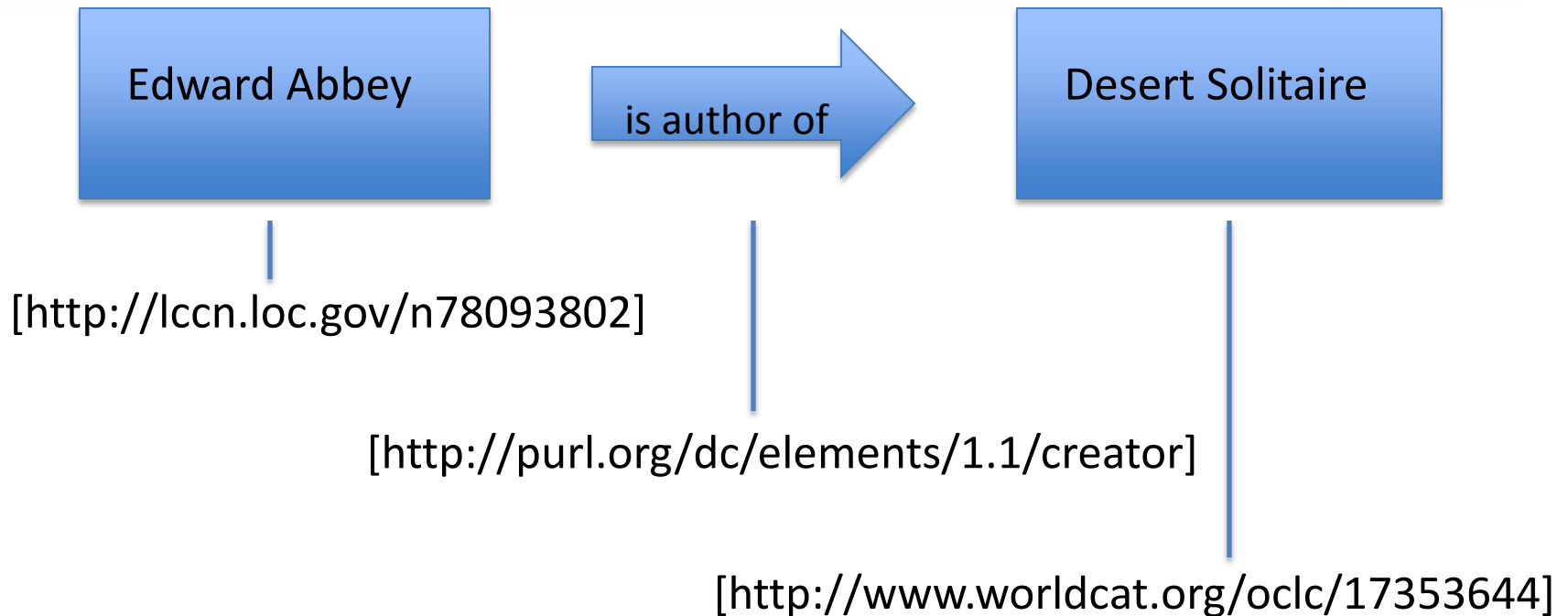


Muir, J.,
1838-1914.

Graphs



Graphs

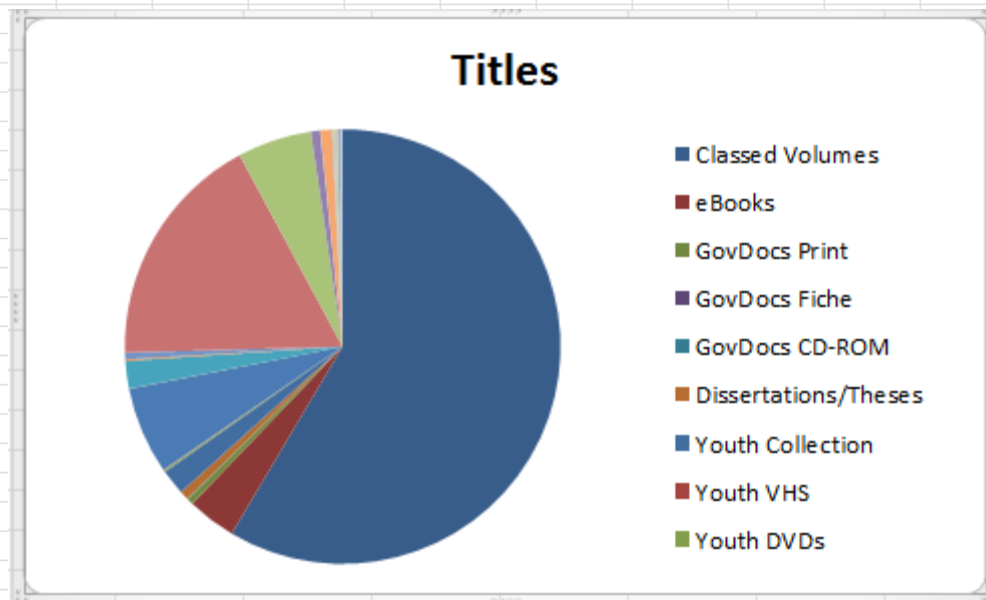


Authority Control?

- John Muir
 - Viaf: <http://viaf.org/viaf/68933311>
 - LC: <http://id.loc.gov/authorities/names/n79078692>

OWL:sameas

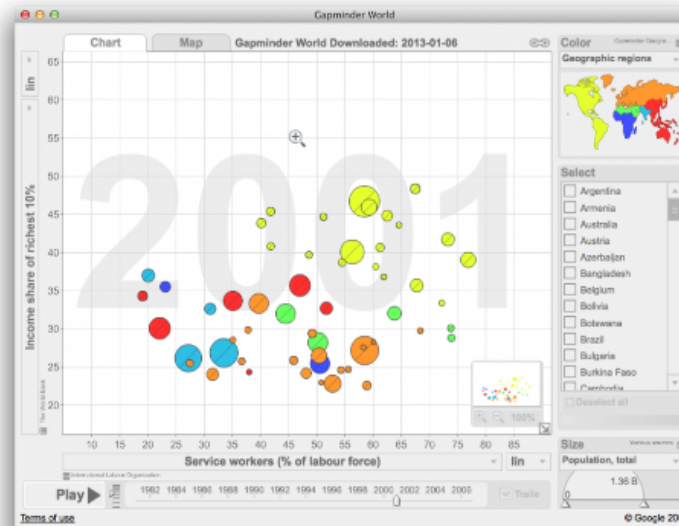
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
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2	Classed Volumes	9220	9892	3657														
3	eBooks	572	576	0														
4	GovDocs Print	72	107	1653														
5	GovDocs Fiche	0	0	4														
6	GovDocs CD-ROM	8	13	0														
7	Dissertations/Theses	106	204	0														
8	Youth Collection	298	315	156														
9	Youth VHS	0	0	1														
10	Youth DVDs	20	21	1														
11	Microfilm	0	2	2														
12	Microfiche	2	2	75														
13	VHS	7	8	1756														
14	DVDs	1021	1486	17														
15	Computer Software	2	20	0														
16	Journals	1	1	0														
17	Bound Journals	0	7	10324														
18	Music Classed Volumes	323	358	110														
19	Music VHS	19	21	80														
20	Music DVDs	78	125	0														
21	Music CDs	2774	3697	0														
22	Scores	867	2175	153														
23	Maps	106	134	0														
24	ERS/Kits	5	16	138														
25	ERS/Textbooks	133	187	0														
26	ERS/Tests	12	29	0														
27	ERS/Computer Software	8	30	0														
28	ERS/DVDs	41	46	0														
29	Classed Retro/Transfers	44	1163	0														
30	LP Retro	19	19	400														
31	Cassette Tapes	0	5	5														
32																		
33																		
34																		
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List of indicators in Gapminder World

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Indicator name	Data provider	Category	Subcategory	Download	View	Visualize
All causes deaths in newborn (per 1,000 births)	Lancet	Health	Causes of newborn deaths			
All causes deaths in newborn (total deaths)	Lancet	Health	Causes of newborn deaths			
All forms of TB, deaths per 100,000 - estimated	World Health Organization	Health	TB (tuberculosis)			
All forms of TB, detection rate (%)	World Health Organization	Health	TB (tuberculosis)			
All forms of TB, detection rate (%) - DOTS only	World Health Organization	Health	TB (tuberculosis)			
All forms of TB, existing cases per 100,000 - estimated	World Health Organization	Health	TB (tuberculosis)			
All forms of TB, new cases per 100,000 - estimated	World Health Organization	Health	TB (tuberculosis)			
All forms of TB, new cases per 100,000 - reported	World Health Organization	Health	TB (tuberculosis)			
All forms of TB, number of deaths - estimated	World Health Organization	Health	TB (tuberculosis)			
All forms of TB, number of existing cases - estimated	World Health Organization	Health	TB (tuberculosis)			
All forms of TB, number of new cases - estimated	World Health Organization	Health	TB (tuberculosis)			
All forms of TB, number of new cases - reported	World Health Organization	Health	TB (tuberculosis)			
Alternative GDP per capita PPP, PWT 7.1	PWT 7.1	For advanced users	Alternative GDP data			
Alternative GDP per capita PPP, WB	Word Bank	For advanced users	Alternative GDP data			
Alternative GDP/capita (PPPS, inflation-adjusted) from PWT	PWT 6.2	For advanced users	Alternative GDP data			

Linked Data in Action

Facebook Open Graph

 Type to search for people, places and things



My friends



Photos of my friends



Restaurants nearby



Games my friends play



Music my friends like



Photos I have liked



Groups my friends are in



Friends of my friends



West End Rhythm Kings

Musician/Band



Damaged

Musician/Band



Egil Hegerberg

Musician/Band



Loud Mouth Blonde

Musician/Band



Favorite musicians of my friends



Favorite musicians of my friends who live in **Prestonsburg, Kentucky** · City · 2,409 like this



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Favorite musicians of my friends from **Prestonsburg, Kentucky** · City · 2,409 like this



Favorite musicians of my friends who go to **University of Kentucky** · Lexington, Kentucky · Education



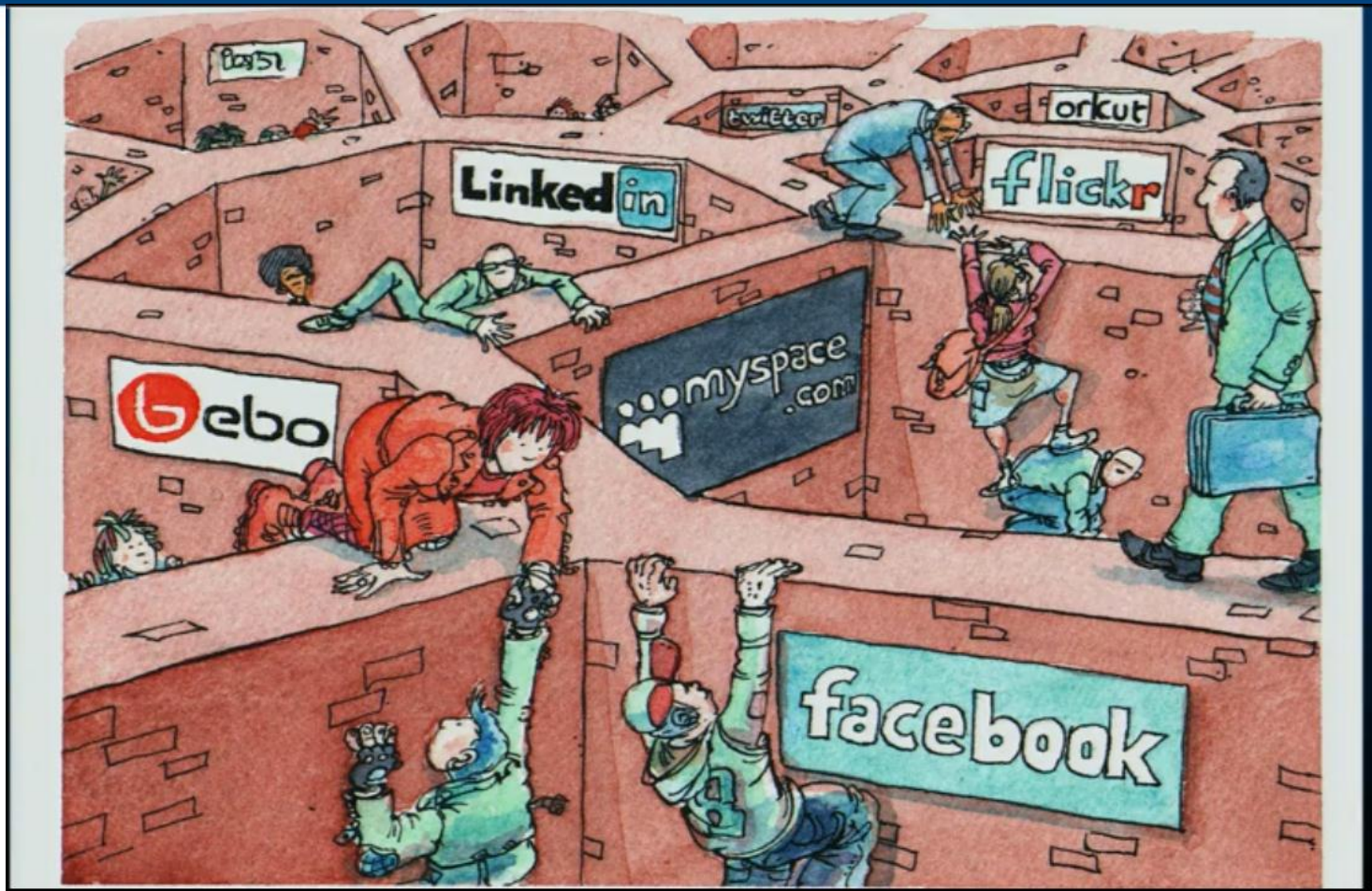
Favorite musicians of my friends who like **Yellowstone National Park** · Local/Travel Website · 56,260



Favorite musicians of my friends who live in **Greeley, Colorado** · City · 8,521 like this

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en.wikipedia.org/wiki/Joseph_Campbell ▼

Joseph John Campbell (March 26, 1904 – October 30, 1987) was an American mythologist, writer and lecturer, best known for his work in comparative ...

Life - Influences - Comparative mythology and ... - Influence

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www.youtube.com/watch?v=VgOUxiCCHoA

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<http://www.jcf.org> Myth lets you know where you are across the ages of life—at 40 or at 80... This video is a brief ...

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www.goodreads.com/author/quotes/20105.Joseph_Campbell ▼

167 quotes from **Joseph Campbell**: 'Life has no meaning. Each of us has meaning and we bring it to life. It is a waste to be asking the question when you a...

[Joseph Campbell \(Author of The Power of Myth\) - Goodreads](#)

www.goodreads.com/author/show/20105.Joseph_Campbell ▼

★★★★★ Rating: 4.3 - 102988 votes

About **Joseph Campbell**: Joseph John Campbell was an American mythology professor, writer, and orator best known for his work in the fields of comparative ...



More images

Joseph Campbell

Writer

Joseph John Campbell was an American mythologist, writer and lecturer, best known for his work in comparative mythology and comparative religion. His work is vast, covering many aspects of the human experience. [Wikipedia](#)

Born: March 26, 1904, [White Plains](#)

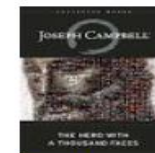
Died: October 30, 1987, [Honolulu](#)

Spouse: [Jean Erdman](#) (m. 1938–1987)

Movies and TV shows: [The Power of Myth](#), [Mythos](#), [Monomyth](#)

Education: [Columbia University](#) (1927), [More](#)

Books



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F. Scott Fitzgerald

From Wikipedia, the free encyclopedia

For other people named Scott Fitzgerald, see [Scott Fitzgerald \(disambiguation\)](#).

For F. Scott Fitzgerald's daughter, see [Frances Scott Fitzgerald](#).

Francis Scott Key Fitzgerald (September 24, 1896 – December 21, 1940) was an American author of novels and short stories, whose works are the paradigmatic writings of the **Jazz Age**, a term he coined. He is widely regarded as one of the greatest American writers of the 20th century.^[1] Fitzgerald is considered a member of the "**Lost Generation**" of the 1920s. He finished four novels: *This Side of Paradise*, *The Beautiful and Damned*, *The Great Gatsby* (his most famous), and *Tender Is the Night*. A fifth, unfinished novel, *The Love of the Last Tycoon*, was published posthumously. Fitzgerald also wrote many short stories that treat themes of youth and promise along with age and despair.

Fitzgerald's work has been adapted into films many times. His short story, "[The Curious Case of Benjamin Button](#)", was the basis for a 2008 film. *Tender is the Night* was filmed in 1962, and made into a television miniseries in 1985. *The Beautiful and Damned* was filmed in 1922 and 2010. *The Great Gatsby* has been the basis for numerous films of the same name, spanning nearly 90 years; 1926, 1949, 1974, 2000, and 2013 adaptations. In addition, Fitzgerald's own life from 1937 to 1940 was dramatized in 1958 in *Beloved Infidel*.

Contents [hide]

- 1 Life and career
 - 1.1 Zelda Fitzgerald
 - 1.2 "The Jazz Age"
 - 1.3 Hollywood years
 - 1.4 Illness and death
- 2 Legacy
- 3 Bibliography
 - 3.1 Novels
 - 3.2 Short story collections
 - 3.3 Notable short stories
 - 3.4 Other notable works
 - 3.5 Cambridge Editions
- 4 Notes

F. Scott Fitzgerald



Photograph of F. Scott Fitzgerald c. 1921, appearing in "The World's Work" (June 1921 issue)

Born	Francis Scott Key Fitzgerald <div>September 24, 1896</div> <div>St. Paul, Minnesota, United States</div>
Died	December 21, 1940 (aged 44) <div>Hollywood, Los Angeles, California, United States</div>
Occupation	novelist, short story writer, poet
Nationality	American

About: F. Scott Fitzgerald

An Entity of Type : [writer](#), from Named Graph : <http://dbpedia.org>, within Data Space : [dbpedia.org](#)

Francis Scott Key Fitzgerald was een Amerikaans schrijver.

Property	Value
dbpedia-owl:abstract	<ul style="list-style-type: none">■ Francis Scott Key Fitzgerald was een Amerikaans schrijver.■ Francis Scott Key Fitzgerald war ein US-amerikanischer Schriftsteller.■ Francis Scott Fitzgerald, amerykański pisarz, nowelista, scenarzysta filmowy.■ Faceva parte della corrente letteraria della cosiddetta Generazione perduta, un gruppo di scrittori americani nati negli anni lasciato incompiuto, e decine di racconti brevi sui temi della giovinezza, della disperazione, e del disagio generazionale.■ フランシス・スコット・キー・フィッツジェラルド（Francis Scott Key Fitzgerald, 1896年9月24日 - 1940年12月21日）は、アメリカの作家。■ Francis Scott Key Fitzgerald, fue un novelista estadounidense de la época del jazz. Su obra es el reflejo, desde una elevada perspectiva, de la sociedad estadounidense durante la Gran Guerra Mundial. En sus novelas expresa el desencanto de los privilegiados jóvenes de su generación que arrastraban su vida en las ciudades estadounidenses. Su extraordinaria Suave es la noche, narra el ascenso y caída de Dick Diver, un joven psicoanalista y su propia mujer, Zelda, diagnosticada esquizofrénica en 1932, es manifiesto. Este libro define el tono más denso y sombrío de su obra.■ Francis Scott Fitzgerald foi um escritor americano. Fitzgerald é considerado um dos maiores escritores americanos do século XX. Foi um dos escritores da chamada "geração perdida" da literatura americana. Francis Scott Key Fitzgerald nasceu em 1896, em uma família católica irlandesa, ingressou na Universidade de Princeton, mas não chegou a se formar. Durante a primeira guerra mundial escreveu o romance Lado do Paraíso), romance que lhe deu grande popularidade e lhe abriu espaço em publicações de grande prestígio, como o romance Belos e Malditos), foi publicado em 1922. Com a esposa, Zelda Sayre, que introduziria um componente trágico na vida do escritor, escreveu o terceiro e o mais célebre de seus romances, The Great Gatsby (1925; O Grande Gatsby). Essa obra, uma das mais representativas da literatura americana, foi publicada em 1925. Em 1934 publicou Tender is the Night (Suave é a Noite), romance pungente que o autor considerava sua melhor obra. Como roteirista cinematográfico. Em 1939 começou a escrever seu último romance, The Last Tycoon (O Último Magnata), que não foi concluído, grande artifice do "sonho americano".■ Francis Scott Key Fitzgerald (September 24, 1896 – December 21, 1940) was an American author of novels and short stories. He is regarded as one of the greatest American writers of the 20th century. Fitzgerald is considered a member of the "Lost Generation". His most famous work is The Great Gatsby—his most famous—and Tender Is the Night. A fifth, unfinished novel, The Love of the Last Tycoon, was published posthumously along with despair and age. The Great Gatsby has been the basis for numerous films of the same name, spanning nearly a century. It was dramatized in Beloved Infidel.■ F. Scott Fitzgerald, de son nom complet Francis Scott Key Fitzgerald, né le 24 septembre 1896 à Saint Paul et mort le 21 décembre 1940 à Los Angeles, est un écrivain américain représentant de L'Ère du Jazz, il est aussi celui qui lance la carrière d'Ernest Hemingway. Il se marie avec Zelda Sayre Fitzgerald en 1925. Ensemble, ils ont une fille, Frances Scott Fitzgerald, qu'ils surnomment « Scottie ».■ Фрэнсис Скотт Кей Фицджеральд — американский писатель, крупнейший представитель так называемого «потерянного поколения», опубликованный в 1925 году, а также ряд романов и рассказов об американской «эпохе джаза» (англ.)русского языка. Он обозначал период американской истории с момента окончания Первой мировой войны до великой депрессии 1930-х годов.■ Francis Scott Key Fitzgerald, född 24 september 1896 i Saint Paul, Minnesota, död 21 december 1940 i Los Angeles, Kalifornien, var en av 1900-talets mest betydelsefulla författare. Han var gift med Zelda Fitzgerald.■ 弗朗西斯·斯科特·基·菲茨杰拉德（英语：Francis Scott Key Fitzgerald，1896年9月24日－1940年11月21日），简称斯科特·菲茨杰拉德，中间名斯科特是来自于远亲佛蘭西斯（Francis Scott Key），他是一位著名的律師。菲茨杰拉德的妹妹路易絲·斯科特（於出生前夭折），此書堪稱美國社會縮影的經典代表，描述1920年代美國人在歌舞昇平中空虛、享樂、矛盾的精神與思想。費滋傑羅一生總共寫了4部長篇小說，150篇短篇小說。
dbpedia-owl:activeYearsStartYear	■ 1920-01-01 00:00:00 (xsd:date)
dbpedia-owl:birthDate	■ 1896-09-24 (xsd:date)

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Vampiry : opasnye sviazi - OCLC Classify -- an Experimental ...

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Summary. Title: **Vampiry : opasnye sviazi**; Author: Jones, Stephen, 1953-; Formats: Editions: 1; Total Holdings: 2; Permalink: ...

The Mammoth Book of Vampire Stories by Women by Stephen ...

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★★★★★ Rating: 3.6 - 161 votes

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Вампиры : опасные связи / Vampiry : opasnye sviazi

Author: edited by Stephen Jones ; перевод с английского Е. Барминой,
... [et al.] ; ; [Stephen Jones](#); et al

Publisher: Издательская группа <Азбука-классика>, Sankt-Peterburg :
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Edition/Format: Book : Fiction : Russian

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Material Type: Fiction

Document Type: Book

All Authors / Contributors: edited by Stephen Jones ; перевод с английского Е. Барминой, ... [et al.] ; : [Stephen Jones](#); et al

ISBN: 9785998505591 599850559X

OCLC Number: 697701667

Description: 732 p. ; 21 cm.

Other Titles: Mammoth book of vampire stories by women.

Responsibility: edited by Stephen Jones ; perevod s angliiskogo: E. Barminoï, ... [et al.].

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schema:name	"Sankt-Peterburg"																				
library:placeOfPublication	< http://id.loc.gov/vocabulary/countries/ru > <table><tr><td>rdf:type</td><td>schema:Country</td></tr></table>			rdf:type	schema:Country																
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owl:sameAs	< info:oclcnum/697701667 >																				
rdf:type	schema:Book																				
rdfs:seeAlso	<table><tr><td colspan="3"><http://www.worldcat.org/isbn/9785998505591></td></tr><tr><td>owl:sameAs</td><td colspan="2"><urn:isbn:9785998505591></td></tr><tr><td>rdf:type</td><td colspan="2">schema:ProductModel</td></tr><tr><td>rdf:type</td><td colspan="2">schema:CreativeWork</td></tr><tr><td>schema:isbn</td><td colspan="2">"9785998505591"</td></tr><tr><td>schema:model</td><td colspan="2"><http://www.worldcat.org/oclc/697701667></td></tr></table>			< http://www.worldcat.org/isbn/9785998505591 >			owl:sameAs	< urn:isbn:9785998505591 >		rdf:type	schema:ProductModel		rdf:type	schema:CreativeWork		schema:isbn	"9785998505591"		schema:model	< http://www.worldcat.org/oclc/697701667 >	
< http://www.worldcat.org/isbn/9785998505591 >																					
owl:sameAs	< urn:isbn:9785998505591 >																				
rdf:type	schema:ProductModel																				
rdf:type	schema:CreativeWork																				
schema:isbn	"9785998505591"																				
schema:model	< http://www.worldcat.org/oclc/697701667 >																				
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< http://www.worldcat.org/isbn/599850559X >																					
owl:sameAs	< urn:isbn:599850559X >																				
rdf:type	schema:ProductModel																				
rdf:type	schema:CreativeWork																				
schema:isbn	"599850559X"																				
schema:model	< http://www.worldcat.org/oclc/697701667 >																				
schema:about	<table><tr><td>madsrdf:isIdentifiedByAuthority</td><td><http://id.loc.gov/authorities/subjects/sh85004327></td></tr><tr><td>rdf:type</td><td>schema:Intangible</td></tr><tr><td>schema:name</td><td>"American fiction--Women authors."</td></tr></table>	madsrdf:isIdentifiedByAuthority	< http://id.loc.gov/authorities/subjects/sh85004327 >	rdf:type	schema:Intangible	schema:name	"American fiction--Women authors."														
madsrdf:isIdentifiedByAuthority	< http://id.loc.gov/authorities/subjects/sh85004327 >																				
rdf:type	schema:Intangible																				
schema:name	"American fiction--Women authors."																				
schema:about	<table><tr><td>madsrdf:isIdentifiedByAuthority</td><td><http://id.loc.gov/authorities/subjects/sh85043377></td></tr><tr><td>rdf:type</td><td>schema:Intangible</td></tr><tr><td>schema:name</td><td>"English fiction--Women authors."</td></tr></table>	madsrdf:isIdentifiedByAuthority	< http://id.loc.gov/authorities/subjects/sh85043377 >	rdf:type	schema:Intangible	schema:name	"English fiction--Women authors."														
madsrdf:isIdentifiedByAuthority	< http://id.loc.gov/authorities/subjects/sh85043377 >																				
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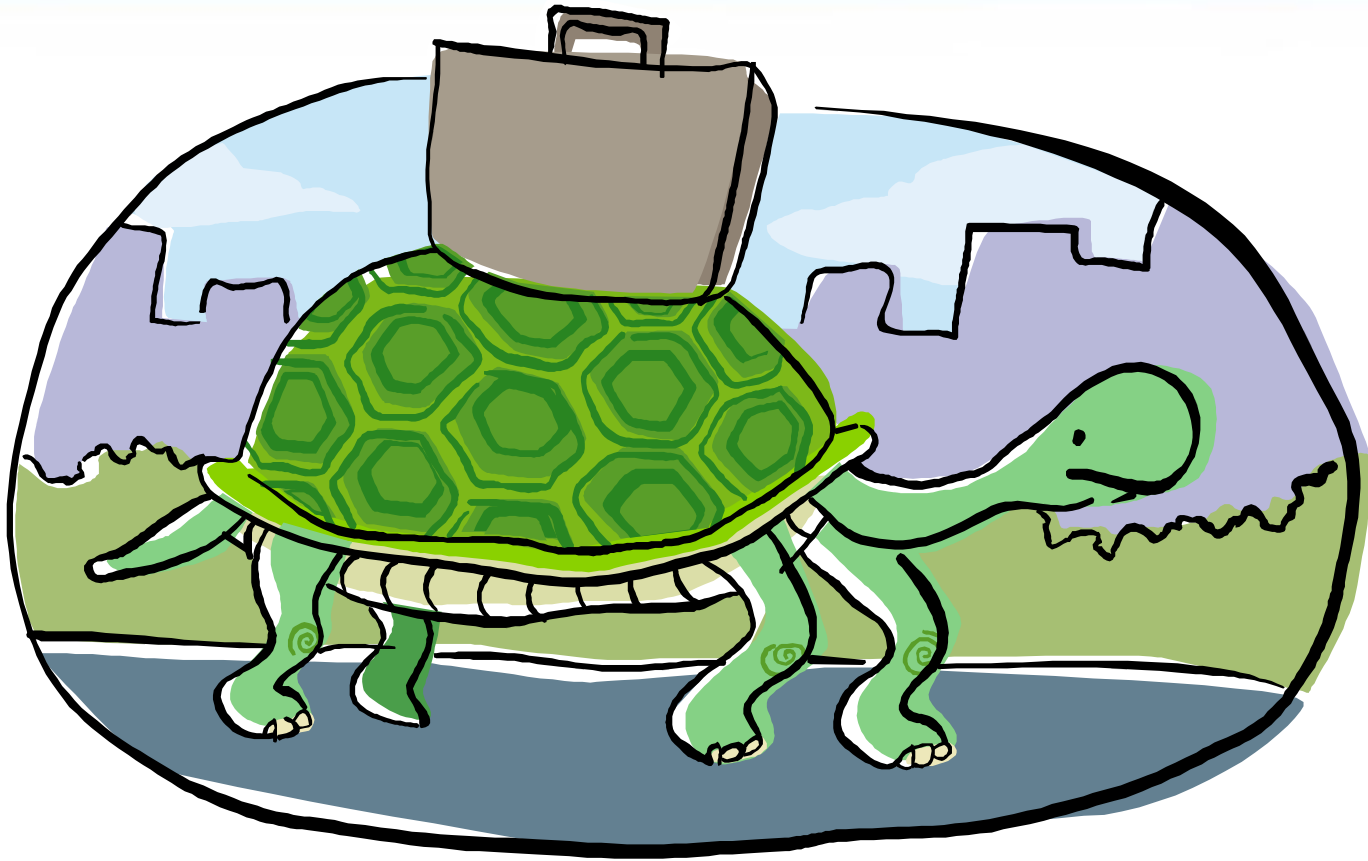
Linked Data in Action

Journalism's Voyage West (Stanford)

- http://www.stanford.edu/group/ruralwest/cgi-bin/drupal/visualizations/us_newspapers



How do libraries get there?



How do libraries get there?

- Existing vocabularies:
 - VIAF
 - LCSH
 - LCNA
 - Dublin Core
 - LCC
 - Open Metadata Registry

Select Field:

All Headings

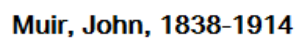

Select Index:

All VIAF

Search Terms:

Muir, John, 1838 1914

Search

Muir, John Muir, John (American naturalist, 1838-1914) 

VIAF ID: 68933311 (Personal)

Permalink: <http://viaf.org/viaf/68933311>

ISBN: 0000 0001 2137 9847

Preferred Forms

  100 1_ ±a Muir, John ±d 1838-1914

 100 1 _ ta Muir, John, d 1838-1914

 100 1_ ùa Muir, John, ùd 1838-1914

100 1_ ta Muir, John tg American naturalist, 1838-1914

Authority/Source Record

100 1_ ta Muir, John d (1838-1914).

100 1 Ja Muir, John

 100 1 ta Muir, John, td 1838-1914

 100 1 Ja Muir, John



LIBRARY OF CONGRESS
LINKED DATA SERVICELC Linked Data Service
Authorities and Vocabularies

- [Linked Data Service](#)
- [About](#)
- [Main Dataset Descriptions](#)
- [Preservation Dataset Descriptions](#)
- [Search](#)
- [Download](#)
- [Technical Center](#)
- [Contact Us](#)

Search

All
LC Subject Headings
LC Name Authority File
LC Classification
LC Children's Subject Headings
LC Genre/Form Terms

****Please Note:** LC Classification entries are not included in general search results. You must explicitly select LC Classification in order to search the scheme. This is temporary while the impact of adding LCC to the current system is better understood.

[Search](#)[Reset](#)

Available Datasets

The Linked Data Service provides access to commonly found standards and vocabularies promulgated by the Library of Congress. This includes data values and the controlled vocabularies that house them. The following are currently offered as part of this service:

- > [LC Subject Headings](#)
- > [LC Name Authority File](#)
- > [LC Classification](#)
- > [LC Children's Subject Headings](#)
- > [LC Genre/Form Terms](#)
- > [Thesaurus for Graphic Materials](#)
- > [Cultural Heritage Organizations](#)
- > [MARC Relators](#)
- > [MARC Countries](#)
- > [MARC Geographic Areas](#)
- > [MARC Languages](#)
- > [ISO639-1 Languages](#)
- > [ISO639-2 Languages](#)
- > [ISO639-5 Languages](#)
- > [Extended Date/Time Format](#)

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Welcome, jlhayden

Users

Data

Views

Load Your Data



Simple Spreadsheets

Simple rectangular spreadsheets in CSV or Microsoft Excel format.

[From the web](#) [From a file on your computer](#)



XML MODS file

An XML file conforming to the Metadata Object Description Schema (MODS) schema.

[From the web](#) [From a file on your computer](#)



JSON data

Data collections represented within a JSON list.

[From the web](#)



OAI [Open Archives Initiative](#) end point (Beta)

The Open Archives Initiative develops and promotes interoperability standards that aim to facilitate the efficient dissemination of content.



A [ContentDM database](#) (Beta)


Digital Collection Management Software from OCLC.

“Killer” apps Viewshare



Users


































Data

Views


New Viewshare Dataset

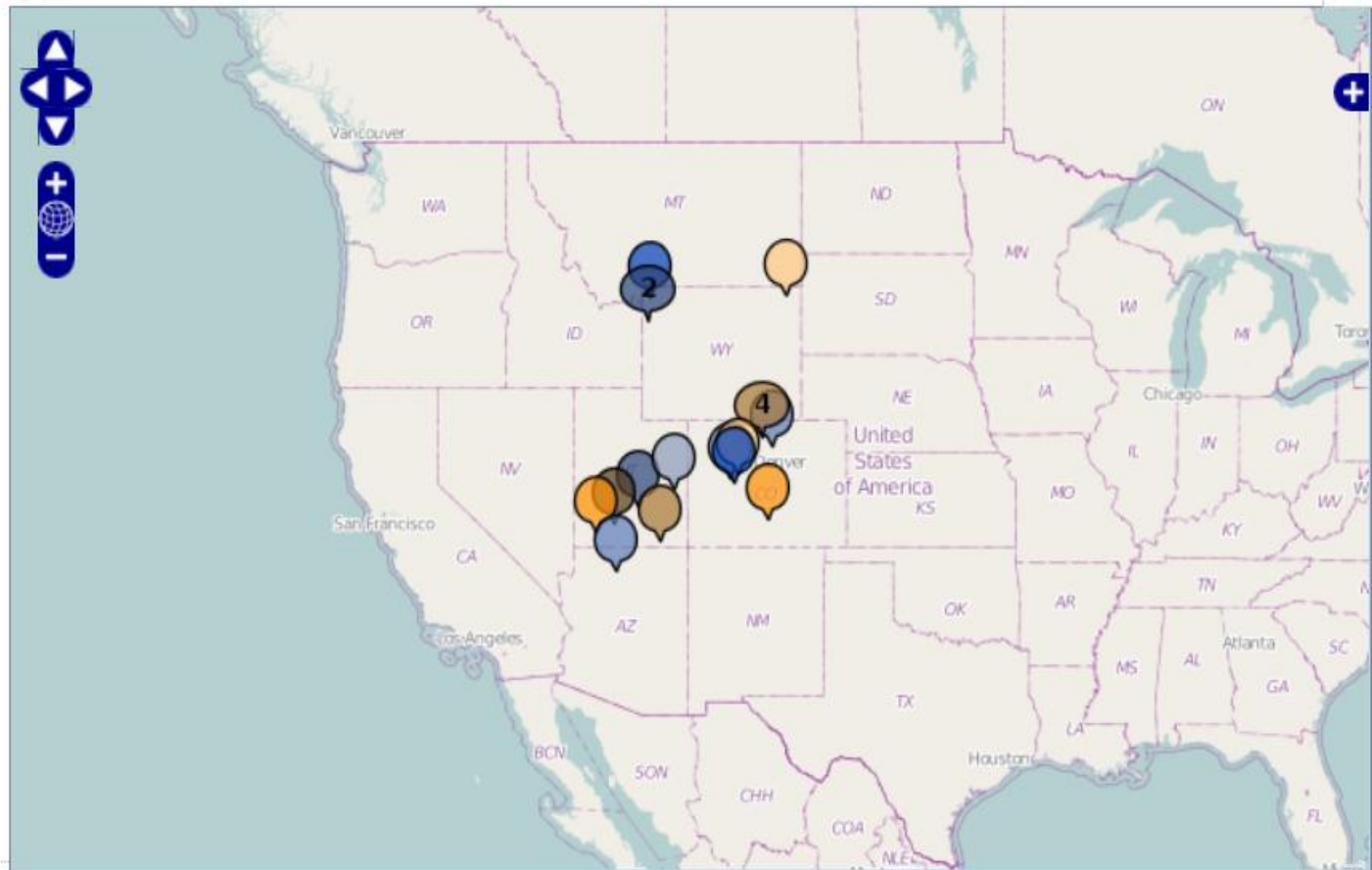
Save | Cancel


 Success! All of your fields were successfully augmented.
 

Enabled	Field Name	 Add	Type	Value	1 of 26	 	 Delete Record	 Augment
<input checked="" type="checkbox"/>	 Title		text	Chapel				
<input checked="" type="checkbox"/>	 Description		text	View of the chapel located in the Normal School Building (later the Administrative Building and finally renamed Cranford Hall.) The chapel is crowded with students, primarily women. Several people, along with a pianist and piano, are seated at the front of the chapel.				
<input checked="" type="checkbox"/>	 Subject (topic) 1		text	Chapels				
<input checked="" type="checkbox"/>	 Type of Resource		text	Still image				
<input checked="" type="checkbox"/>	 Extent		text	1 lantern slide (glass), 3.25 in. x 4 in., hand colored				
<input checked="" type="checkbox"/>	 Image URL		URL	http://hdl.handle.net/10176/cogru:59				
<input checked="" type="checkbox"/>	 Place of Publication		text	Greeley, Colorado				
<input checked="" type="checkbox"/>	 Publisher		text	University of Northern Colorado				
<input checked="" type="checkbox"/>	 Language		text	English				
<input checked="" type="checkbox"/>	 Subject (format) 1		text	Lantern slides				
<input checked="" type="checkbox"/>	 Subject (Corporate Name) 1		text	Colorado State Teachers College				
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<input checked="" type="checkbox"/>	 Date Created		text	1905				

Locations

- 1 Arches National Park, Utah
- 1 Aspen, Colorado
- 1 Boulder, Colorado
- 1 Bryce Canyon National Park, Utah
- 1 Capitol Reef National Park, Utah



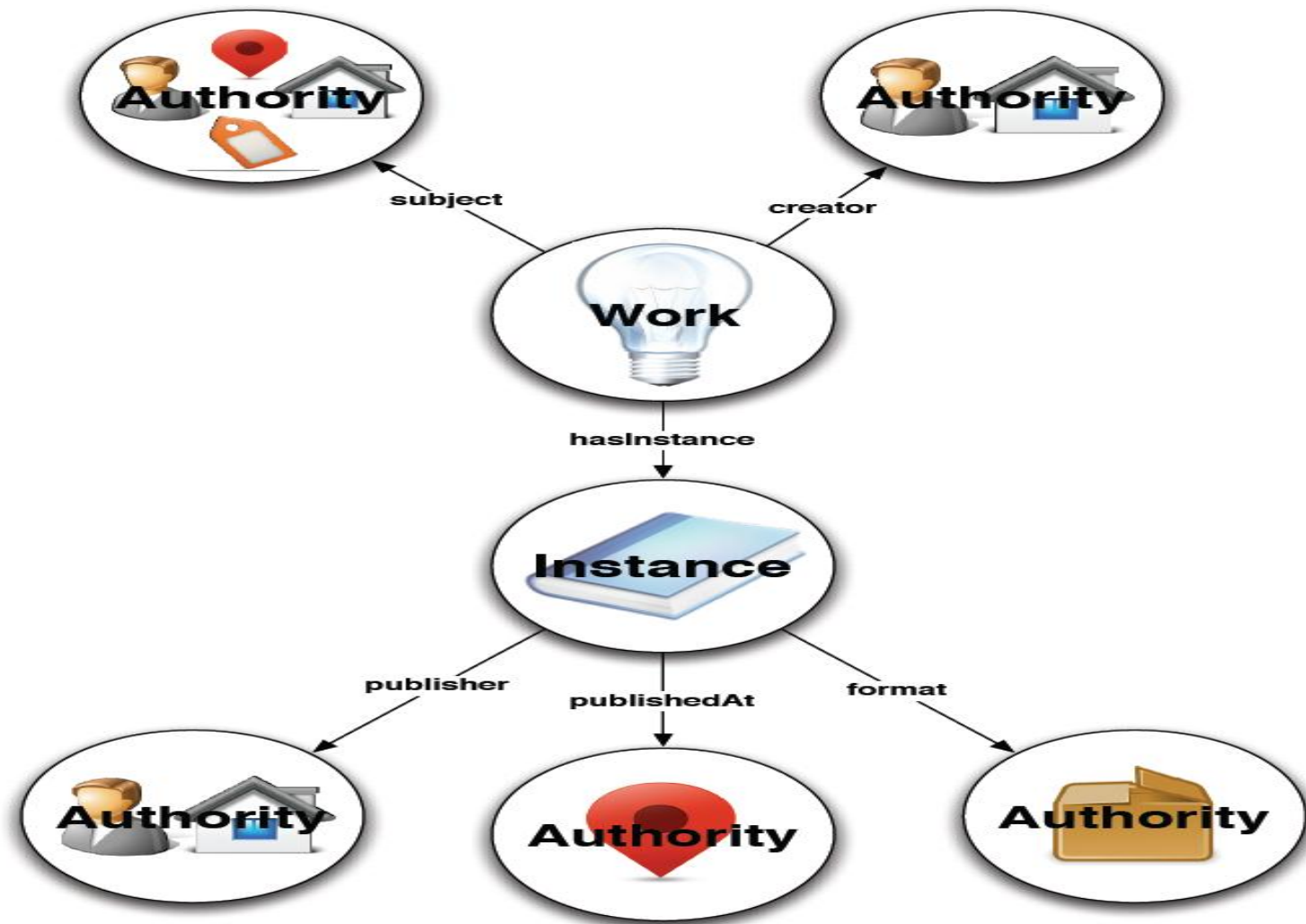
- Arches National Park, Utah
- Aspen, Colorado
- Boulder, Colorado
- Bryce Canyon National Park, Utah
- Capitol Reef National Park, Utah
- Crested Butte, Colorado
- Crystal, Colorado
- Devils Tower, Wyoming
- Grand Canyon National Park, North Rim, Arizona
- Grand Teton National Park, Wyoming
- Great Sand Dunes National Park, Colorado
- Monument Valley, Utah
- Rocky Mountain National Park, Colorado
- Yellowstone National Park, Wyoming
- Zion National Park, Utah

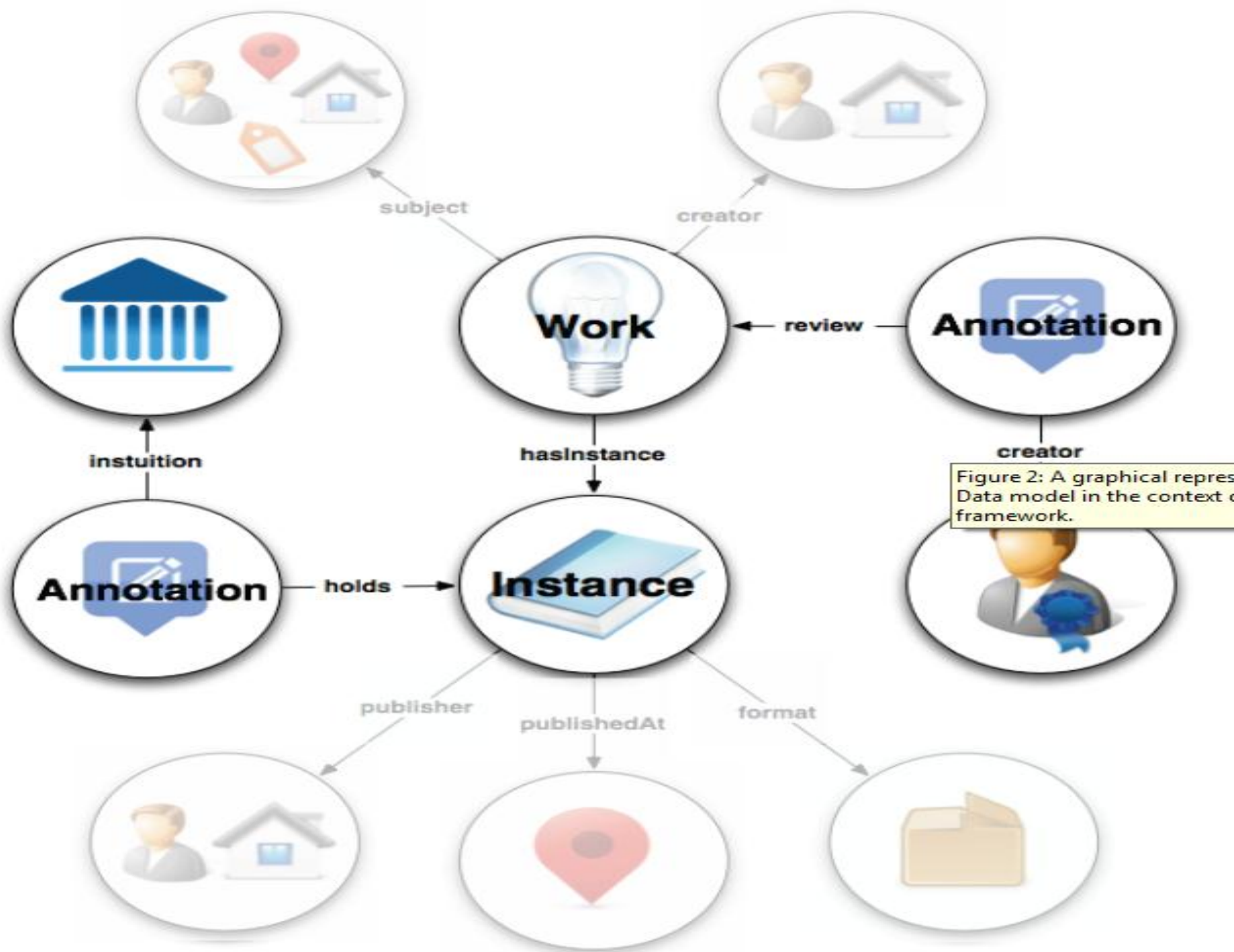
Locations

- 1 Arches National Park, Utah
- 1 Aspen, Colorado
- 1 Boulder, Colorado
- 1 Bryce Canyon National Park, Utah
- 1 Capitol Reef National Park, Utah

sorted by: Date; then by... • ☒ grouped as sorted

Bibliographic Framework





Bibliographic Framework

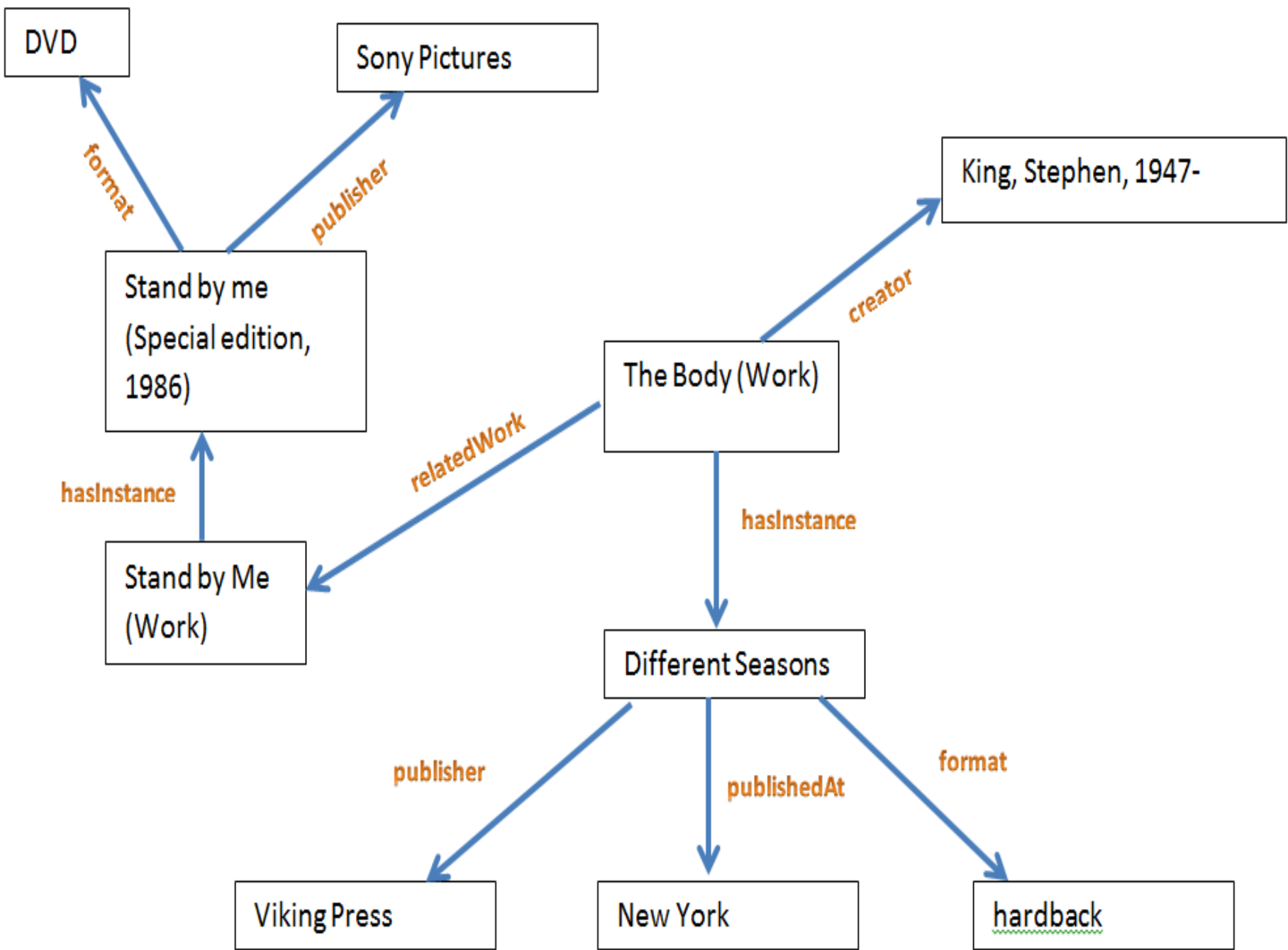
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autobiography of Rabo Karabekian, who, at age seventy-one, wants  
to be left alone on his Long Island estate with the secret he has  
locked inside his potato barn. But then a voluptuous young widow  
badgers Rabo into telling his life story—and Vonnegut in turn  
tells us the plain, heart-hammering truth about man's careless  
fancy to create or destroy what he loves.",  
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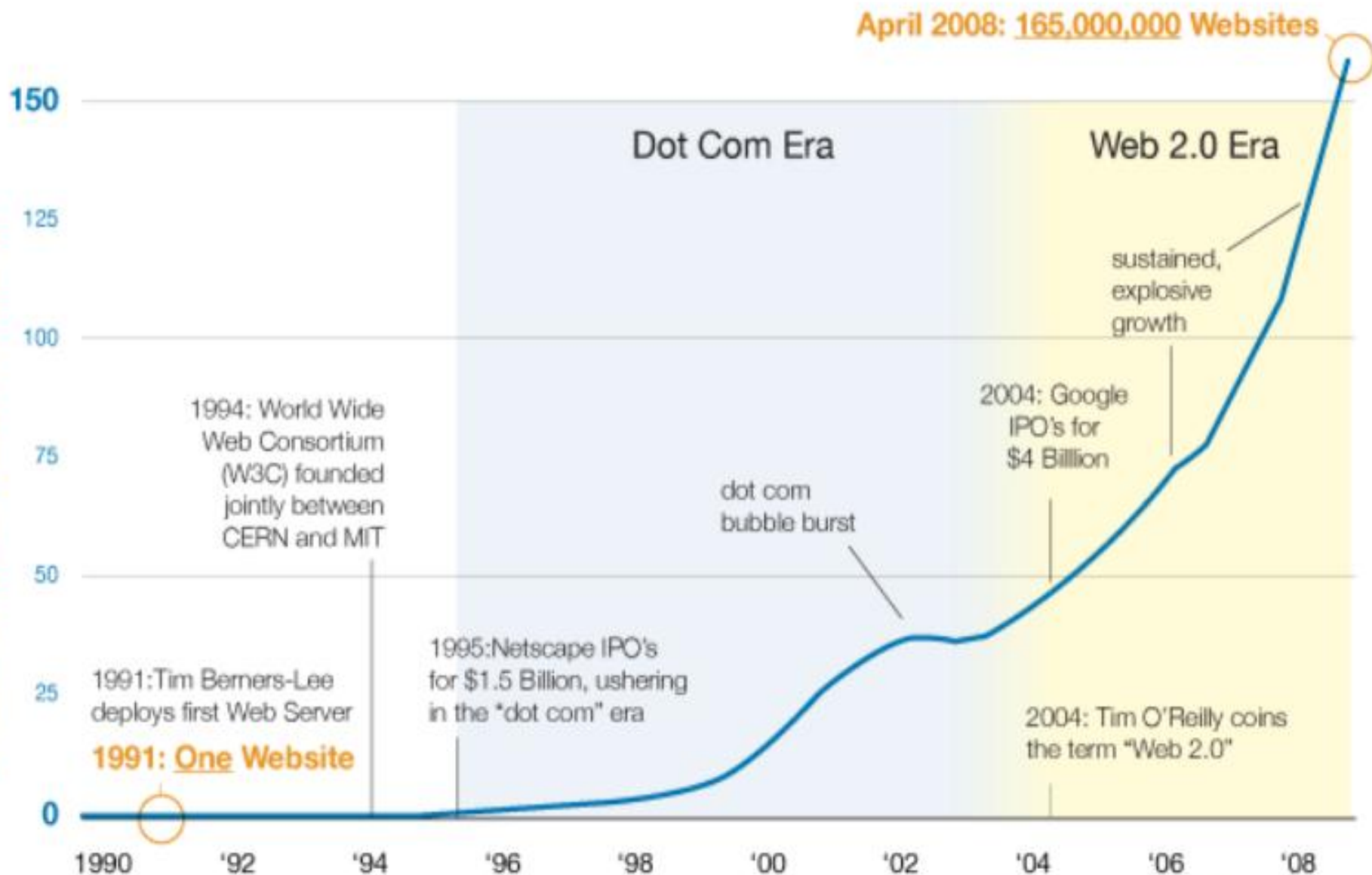
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<http://www.slideshare.net/fullscreen/BaltimoreNISO/niso-dcmi-webinar-bibframe20130123/15>



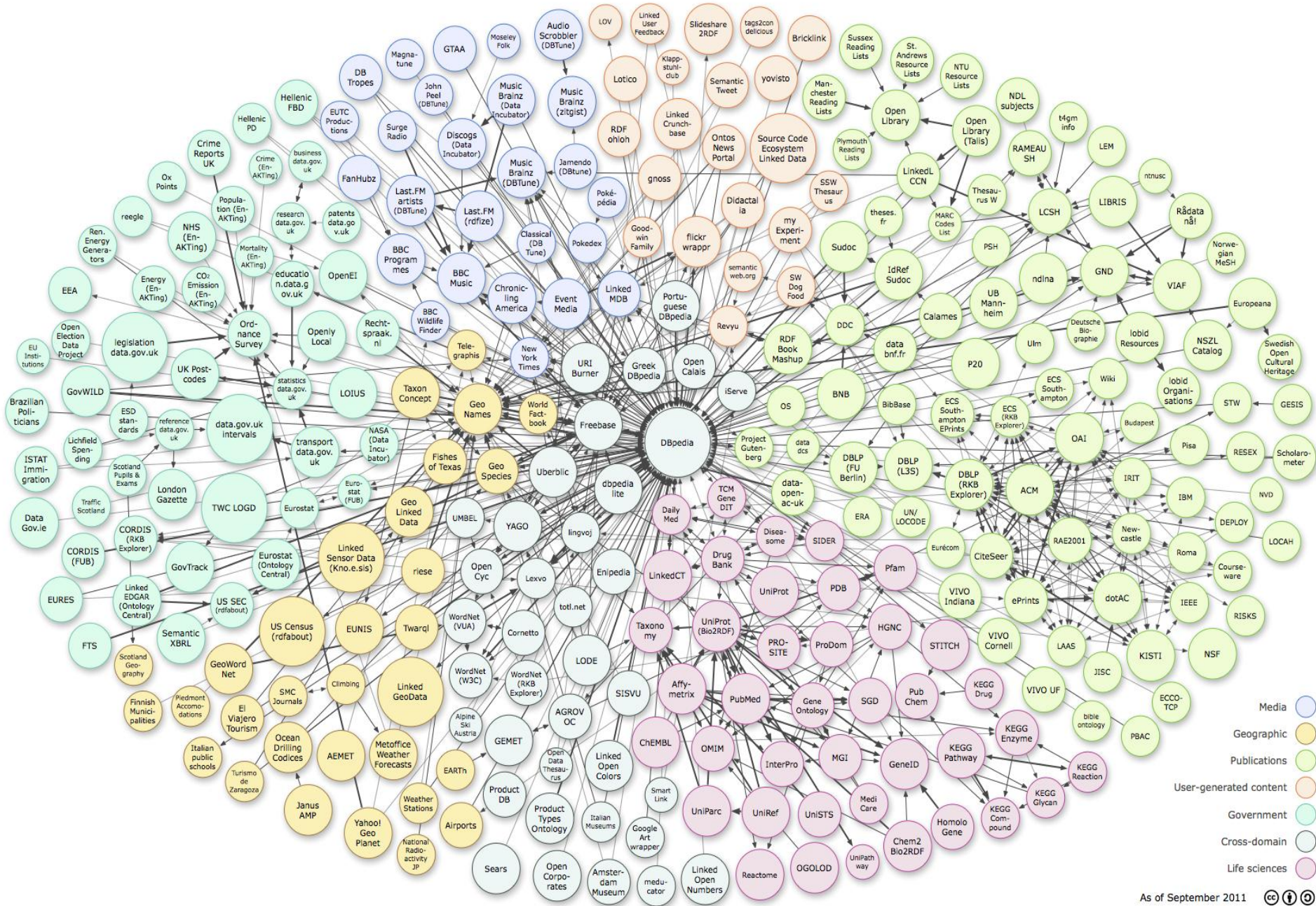
Number of Unique Websites (in millions)



Web Timeline and Number of Websites

figure: Jase Wilson

sources: Netcraft, W3C, Wired, Wikipedia



<http://lod-cloud.net/>

Linked Data Resources

- Bibliographic Framework Initiative
 - <http://www.loc.gov/bibframe/>
- Coyle's two volumes of *Library Technology Reports*:
 - v. 46, no. 1, 2010. "Understanding the Semantic Web: Bibliographic Data and Metadata"
 - v. 48, no. 4, 2012. "Linked Data Tools: Connecting on the Web"
- Guides and tutorials on Linked Data Cloud
 - <http://linkeddata.org/guides-and-tutorials>
- Stanford Linked Data Workshop (2011)
 - [http://lib.stanford.edu/files/Stanford Linked Data Workshop Report FINAL.pdf](http://lib.stanford.edu/files/Stanford_Linked_Data_Workshop_Report_FINAL.pdf)